

Title (en)
Process for the preparation of aminosilanes.

Title (de)
Verfahren zur Herstellung von Amidosilanen.

Title (fr)
Procédé pour la préparation d'amidosilanes.

Publication
EP 0193739 A1 19860910 (DE)

Application
EP 86101350 A 19860203

Priority
DE 3504644 A 19850212

Abstract (en)
[origin: US4739088A] Highly pure amidosilanes of the formula <IMAGE> wherein R is alkyl having 1 to 18 carbon atoms, cycloalkyl having 5 to 18 carbon atoms, alkenyl having 2 to 18 carbon atoms and aryl having 6 to 18 carbon atoms, R1 is alkoxy having 1 to 18 carbon atoms, R2 and R3 each independently of one another are alkyl having 1 to 18 carbon atoms or aryl having 6 to 18 carbon atoms, x is 1, 2 or 3, y is 0, 1 or 2, with the sum of x and y being 1 to 3, are produced by reacting an alcohol-free suspension of alkali metal salts or organic amides with organosilanes wherein said salts of amides are prepared by reacting a compound of the formula <IMAGE> with an alcoholic solution of an alkali metal alcoholate in inert organic solvents and the removing alcohol from the reaction mixture by distillation, and said organosilanes are of the formula $R_xR_ySiX_{4-(x+y)}$ wherein X is a halogen or a carboxylate moiety having 1 to 18 carbon atoms, with the reaction being carried out with the exclusion of moisture in inert organic solvents.

Abstract (de)
Die vorliegende Erfindung betrifft ein Verfahren zur Herstellung von Amidosilanen durch Umsetzung von Suspensionen von Alkalisalzen organischer Amide und reaktiven Organosilanen, wobei die Alkalisalze der organischen Amide durch Umsetzung ihrer Lösungen in inerten organischen Lösungsmitteln mit alkoholischen Alkalialkoholatlösungen hergestellt werden, und wobei der Alkohol aus dem Reaktionsgemisch quantitativ abdestilliert wird.

IPC 1-7
C07F 7/18; **C07F 9/10**

IPC 8 full level
C07F 7/10 (2006.01); **C07F 7/18** (2006.01); **C07F 9/10** (2006.01); **C08K 5/5455** (2006.01); **C08L 83/00** (2006.01); **C08L 83/04** (2006.01)

CPC (source: EP US)
C07F 7/10 (2013.01 - EP US); **C07F 7/1804** (2013.01 - EP US)

Citation (search report)
• [AD] US 3776933 A 19731204 - TOPORCER L, et al
• [X] CHEMICAL ABSTRACTS, Band 71, Nr. 9, 1. September 1969, Seite 310, Nr. 39069v, Columbus, Ohio, US; L.K. MASLII et al.: "Silicon-containing amides. IV. Reaction of sodium ethylacetamide with methylalkoxychloromethylsilanes" & ZH. OBSHCH. KHIM. 1968, 38(11), 2582-5

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0193739 A1 19860910; **EP 0193739 B1 19890215**; CA 1297884 C 19920324; DE 3504644 A1 19860814; DE 3662101 D1 19890323; JP H0694468 B2 19941124; JP S61186393 A 19860820; US 4739088 A 19880419

DOCDB simple family (application)
EP 86101350 A 19860203; CA 501471 A 19860210; DE 3504644 A 19850212; DE 3662101 T 19860203; JP 2423686 A 19860207; US 82446386 A 19860131